

IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

In re: Application of BURNE et al.

International Application: PCT/US2004/033214

International Filing Date: 7 October 2004

For: RECOMBINANT ALKALINIZING BACTERIA

INFORMATION DISCLOSURE STATEMENT

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Dear Sir:

In accordance with the duty of disclosure under 37 C.F.R. §1.56, Applicants hereby notify the U.S. Patent Office of the documents which are listed on the attached Form PTO/SB/08B.

Submission of the listed documents is not intended as an admission that such documents constitute prior art against the present application. Applicants do not waive any right to take any action that would be appropriate to antedate or otherwise remove any of the listed documents as competent references against the present application. Applicants submit that the present invention is patentable over the cited references.

Although no fee is believed to be due, the Commissioner is hereby authorized to charge any underpayment to Deposit Account No. 50-0951.

Respectfully submitted,

AKERMAN SENTERFITT

Date: April 6, 2006

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Docket No.: 5853-454-1

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JAP15 Rec'd PCT/PTO 06 APR 2006

PTQ/SB/08A (07-05)

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Sheet 1 of 2

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Application Number	Not Yet Assigned
Filing Date	Herewith
First Named Inventor	BURNE
Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	5853-454-1

U. S. PATENT DOCUMENTS

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Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Griswold, A. et al. "Analysis of an Agmatine Deiminase Gene Cluster in Streptococcus mutans UA159", 2004, Journal of Bacteriology, 186(6):1902-1904	
		Kuramitsu, H.K. "Molecular Genetic Analysis of the Virulence of Oral Bacterial Pathogens: An Historical Perspective", 2003, Crit. Rev. Oral Biol. Med., 14(5):331-344	
		Dong, Y. et al. "Isolation and Molecular Analysis of the Gene Cluster for the Arginine Deiminase System from Streptococcus gordonii DL1", 2002, Applied and Environmental Microbiology, 68(11):5549-5553	
		Ajdic, D. et al. "Genome sequence of Streptococcus mutans UA159, a cariogenic dental pathogen", 2002, PNAS, 99(22):14434-14439	
		Morou-Bermudez, E. et al. "Analysis of Urease Expression in Actinomyces naeslundii WVU45", 2000, Infection and Immunity, 68(12):6670-6676	
		Griswold, A. et al. "Characterization of the Arginine Deiminase Operon of Spectococcus ratus FA-1", 2003, Applied and Environmental Microbiology, 70(3):1321-1327	
		Clancy, K. et al. "Characterization of Recombinant, Ureolytic Streptococcus mutans Demonstrates an Inverse Relationship between Dental Plaque Ureolytic Capacity and Cariogenicity", 2000, Infection and Immunity, 68 (5):2621-2629	
		Clancy, A. et al. "Construction and characterization of a recombinant ureolytic Streptococcus mutans and its use to demonstrate the relationship of urease activity to pH modulating capacity", 1997, FEMS Microbiology Letters, Vol. 151, pgs. 205-211	
		Burne, R.A., et al. "Alkali production by oral bacteria and protection against dental caries", FEMS Microbiology Letters, Vol. 93, pgs 1-6 Vol. 193	
		Chen, Y.M. et al. "Streptococcus salivarius Urease: Genetic and Biochemical Characterization and Expression in a Dental Plaque Streptococcus", 1996, Infection and Immunity, 64(2):585-592	

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